



January 16, 2019

To: Craig Samek, Pretreatment Coordinator csamek@sioux-city.org

Re: Notice of Violation(s), Permit #2016-31-I

Big Ox Energy (BOE) has been issued a Notice of Violation (NOV) for the following dates:

- December 16, 2018 (TSS)
 - These violations were due to mechanical issues with the GEM polymer skids. Resulted in inefficient separation of solids in the GEM and solids discharging to the City.
- December 17, 2018 (TSS)
 - These violations were due to mechanical issues with the GEM polymer skids. Resulted in inefficient separation of solids in the GEM and solids discharging to the City.
- January 1, 2019 (TSS)
 - This violation was due to a mechanical issue on one side of the GEM. Staff was only able to operate one side of the GEM efficiently. This resulted in inefficient solids separation and solids discharging to the City.

BOE is in the process of obtaining all spare parts necessary to keep the polymer skids operational and will ensure that all spare parts and redundant equipment are onsite to limit down time and operational issues related.

BOE recognizes that the response for the December 16-17, 2018 is past due and will make sure going forward that all responses and reports are submitted hard copy and electronically by the required reporting deadline. It should also be noted the daily log/report that BOE is submitting to the City includes that 24-hour composite result and any related process issues.

BOE continues to work on the operation of the wastewater treatment system to ensure the cleanest water possible is discharging and if there is an issue immediate notification to the City is made if a process issue arises. We are working quickly on the evaluation and potential modification to the facility dewatering equipment and will keep the City up to date on this project as it proceeds.

If you need anything else from us additionally, please let me know.

Respectfully,

A handwritten signature in black ink, reading "Desiree McCaslen". The signature is fluid and cursive, with the first name and last name clearly distinguishable.

Desiree McCaslen, Regulatory Compliance Director BOE

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